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# NUMBERS & ODDITIES #
//////////////////////////////////// \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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- at: http://home.luna.nl/~ary/ -
-
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- http://www.spynumbers.com/numbersDB/ -
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-::: N&O #46 February 2002 :::-

It has been a very busy month, which automatically means very little time for the hobby. Hence a short N&O. Sorry about that. The morse section is a true IGOR SHOW :-)

We have three new ENIGMA designators to start with. See for details under "various modes".

JMM has enhanced his website that hosts the HTML versions of N&O and the ENIGMA 2000 newsletters. He added a nifty search routine. The URLs: <http://www.cvni.net/radio/e2k>
<http://www.cvni.net/radio/nsn1>

Mr. Adachi Yukitaka recently launched his numbers web site at <http://www.geocities.co.jp/Technopolis-Mars/4633/numbersenglish.htm>

-0-0-0-0-0-0-0-0-0-0-

★ VOICE STATIONS ★

::: E03

Al Kruse compiled E03's id's for February.

First half of the month.

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	95415	95415	95415	95415	95415	95415	95415	1200
1300	84275	84275	84275	84275	84275	84275	84275	1300
1400	96160	99918	94845	50392	95415	06789	47992	1400
1500	47992	96160	99918	94845	50392	95415	07024	1500
1600	07024	47992	96160	99918	94845	50392	06789	1600
1700	06789	07024	47992	96160	99918	94845	95415	1700
1800	95415	06789	07024	47992	96160	99918	50392	1800
1900	50392	84275	06789	84275	47992	96160	84275	1900

2000	84275	95415	84275	07024	84275	47992	94845	2000
2100	94845	50392	95415	06789	07024	84275	99918	2100
2200	99918	94845	50392	95415	06789	07024	96160	2200

Second half of the month.

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	64734	64734	64734	64734	64734	64734	64734	1200
1300	13694	13694	13694	13694	13694	13694	13694	1300
1400	84334	43505	10753	72785	64734	14500	24462	1400
1500	24462	84334	43505	10753	72785	64734	19573	1500
1600	19573	24462	84334	43505	10753	72785	14500	1600
1700	14500	19573	24462	84334	43505	10753	64734	1700
1800	64734	14500	19573	24462	84334	43505	72785	1800
1900	72785	13694	14500	13694	24462	84334	13694	1900
2000	13694	64734	13694	19573	13694	24462	10753	2000
2100	10753	72785	64734	14500	19573	13694	43505	2100
2200	43505	10753	72785	64734	14500	19573	84334	2200

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::: E10

Only one oddity this month:

4360 // 5339 kHz, 2110 UTC, 3 Feb.: CI0A2M2C4 till 2115 UTC, then into CI0 and 46 groups message. CI0 repeated the 46 groups message 3x but went of the air in the middle of the 3rd repeat at 2155 UTC.

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::: E15

Reported on 14000 kHz at 1403 UTC and on 28000 kHz at 1700 UTC with callsign "FYP". No dates mentioned.

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::: S04

Gertjan heard S04 on Mon 11 Feb at 2245 UTC on 3373 kHz. The signal was very weak.

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::: S06

I received a note without a date or time with a log of the Russian Man

on 7070 kHz with a "731 00000" message.

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::: S11a

S11a is still active and was logged on 4 Feb at 0800 UTC on 8186 kHz with a 976/76 message. Leif copied them on 12 Feb at 0950 UTC on 11100 kHz.

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::: S17

CR checks in with a note about S17. He says "A new one for me today, never heard it before." He copied S17 on Thursday, 21 Feb. at 1100 UTC on 7809 kHz with "770 770 770 40416 40416 40416" repeated for 5 minutes.

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::: V02

Dave Payne heard his first numbers station on 21 Feb at 0510 UTC on 8085 kHz. He found our Cuban friend V02 in progress and heard a new one at 0600 UTC.

Welcome to the intriguing world of numbers and oddities, Dave!

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::: UNID

Igor sent me a very curious log from a couple of years ago. He copied the station on 10 December 1998 at 1030 UTC on 8165 kHz. The station transmits a unique combination of letters and figures, read by a lady in English. But the most unusual thing about the station is the way they spell the letters. "IN" is not spelled as "India November" but just plain "I" "N". There is a sound file of the transmission on the N&O home page at <http://home.luna.nl/~ary>

I think that it is some sort of training station, but that is just a guess of course. If you have any info about this odd station we'd like to hear from you.

in2144 n202a049 nst0 lna1001 2n6596 2statt ctn1002a
2n3553 1n1455a nrs644 el1n4 2ni179 2a1803 ti83 ni7704n
att645a dnir120 2n6199 2al010y 1n5476a nb7t4e7 jlg401

el1ghk 229795a st1133 nhw590 gsg150 1n5129 gtd403 1n36?h
nt02107 rt3772 ?29704a s3028 1n4h10 nrh5177n vanh0...

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::: POLISH MILITARY/INTELLIGENCE

If you are going to Warsaw, be sure to take your VHF radio with you.
The "Vistula Army Brigade" base uses 166.050, 166.100, 166.175, 166.225
and 166.350 MHz.

The same base houses part of the "Grom" special forces, BOR HQ (the
Secret Service), and Civil Defense HQ.

Here are some of the codes for radio checks: 555, 666, 222.

A 555 report is a status report. The guard has to respond on the 555
request. If everything is ok, he will answer "NNN reports 666".
If the situation is critical the answer will be "NNN reports 222".
Read for "NNN" the callsign of the guard.

<info Maciej>

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::: CZECH MILITARY

Various Czech military stations are using 9090 kHz. There seems to be
a fixed schedule for at least two broadcasts, namely at 0700 and 1300
UTC.

The control station reads out mixed 5LG and 5FG messages. Sometimes one
of the receiving stations come up and asks for a repeat of the message,
like this:

Ovary 43 zde Tiha 37 rozumim 204 prijem.
Ovary 43 zde Tiha 37 opakujte mi telegram cislo 205 prijem.

Translation:

Ovary 43 here is Tiha 37 roger 204 over.
Ovary 43 here is Tiha 37 repeat telegraph number 205 for me - over.

The following (military) alphabet is being used:

Adam, Bozena, Cyril, David, Emil, Frantisek, Gustav, Helena, Ivan,
Josef, Karel, Ludvi'k, Marie, Neruda, Otakar, Petr, Quido, Rudolf,
Svatopluk, Toma's, Urban, Va'clav, Dvojite've, Xaver, Ypsilon, Zuzana

You can download a short sound sample from the N&O website.

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: M12

Igor found an unid station on 18820 kHz at 0130 UTC on 8 Feb. It repeated the message for 8 minutes. The station is probably M12:

987 987 987 000 000

Mark Slaten heard M12 at 2200 UTC on 7745 kHz on 3 Feb. The message was repeated 3 times, then signed off.

783 783 783 000

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::: M14

Two tentative M14 logs from Igor.

12115 kHz, 1239 UTC, 18-02-2002

...

22543 61722 72802

17718 85538 02303 49587 60991 61633 71120 01367 60702 64193
54751 56867 09369 45957 22250 90167 90297 66212 34432 02235
18878 01189 05454 44736 94512 06311 78900 18739 03502 40675
06028 42575 66751 87946 05658 12367 21150 78873 14968 13506
21338 72853 16422 82110 59365 91356 35586 83100 31069 80558
18768 58896 13344 63419 01833 88567 55597 86446 40701 45379
= = 784 784 100 100 00000

8172 kHz, 1905 UTC, 18-02-2002. Each group was repeated. Uses short zero's.

VBV VBV VBV... (R4)

728 728 120 120 = =

15710 79859 06970 12402 72016 57419 29758 89001 33412 35808
76578 61564 88745 37364 07135 50915 26484 36690 22436 97265
70856 87558 45520 17027 97207 71182 50712 43833 55446 54381
24669 50170 79063 62766 05536 20306 13077 62936 39653 14648
73454 61910 08372 65879 09338 96476 67778 97219 93239 03727
98307 04651 18513 22054 60604 76965 85839 48038 71737 72626
79918 27727 50102 89926 23035 09808 39457 44827 73448 86819

68855 67954 09475 92384 44865 35820 18382 56858 04315 55726
11156 10140 80765 10176 22059 60823 83670 45023 65125 79006
51278 07011 50574 61025 17363 27152 10030 97138 63413 20090
34721 85797 96002 00916 28387 78834 69933 37634 44944 86203
24683 46884 53066 57477 28270 94458 77387 07624 94180 78095
= = 738 738 120 120 00000

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::: M23

Another one from Igor: M23 on 7795 kHz, 1830 UTC, 20 Feb.

444 444 444 444 444 444 444 444 444 444 444 444 444 444 444 444444
444 444 444 444 444 444 444 444 444 444 444 444 444 444 444 444444
444 444 444 444 444 444 444 444 444 444 444 444 444 444 444 444444
= 43 43 =
06546 05499 11805 23452 37125 88607 21117 44839 98094 64455
72605 06755 42398 51566 53883 31519 05307 35287 84515 12829
05567 90230 66969 92938 62418 32451 91702 27561 20738 96233
14389 24371 78066 84690 38693 31090 01560 27625 08519 78365
95586 20000 06546 = ?? =
6546 05499 11805 23452 37125 88607 21117 44839 98094 64455
72605 06755 42398 51566 53883 31519 05307 35287 84515 12829
05567 90230 66969 92938 62418 32451 91702 27561 20738 96233
14389 24371 78066 84690 38693 31090 01560 27625 08519 78365
95586 20000 06546 = ar ar

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::: M40

A couple of transcripts:

- 6858 kHz, 2106 UTC, 17-02-2002

...cq797 cq797
hr hr 12 12 = =
568T1 T7355 83749 65533 T7569 T3945 796T8 47697 59882 T3T41
66925 59T86 ar ar
sk sk

- 10320 kHz, 1630 UTC, 10-02-2002

vvv cq 995,896 (R5)
vvv cq896 cq896 cq896
hr hr 48 48 = =
36432 25935 24839 41653 84425 92991 70970 90090 04317 38520

38830 50971 88678 89701 84733 58226 75702 51047 99116 74672
29039 86575 92723 90276 72652 22342 28482 23699 08517 63005
47802 59914 95875 69848 67918 40176 70106 11448 33843 46843
33306 38444 73755 10027 72388 75206 04441 78874 ar ar
rpt rpt
vvv cq896 cq896 cq896
hr hr 48 48 = =
36432 25935 24839 41653 84425 92991 70970 90090 04317 38520
38830 50971 88678 89701 84733 58226 75702 51047 99116 74672
29039 86575 92723 90276 72652 22342 28482 23699 08517 63005
47802 59914 95875 69848 67918 40176 70106 11448 33843 46843
33306 38444 73755 10027 72388 75206 04441 78874 ar ar
sk sk

- 10380 kHz, 1630 UTC, 20-02-2002

VVV CQ995,767 (R5)
VVV CQ767 CQ767 CQ767
HR HR 19 19 = =
45453 85728 323T7 73T52 71483 87592 593T5 27864 65675 43683
89615 48738 52517 28111 56838 65876 24267 286747 T4641 AR AR
RPT RPT
VVV CQ767 CQ767 CQ767
HR HR 19 19 = =
45453 85728 323T7 73T52 71483 87592 593T5 27864 65675 43683
89615 48738 52517 28111 56838 65876 24267 286747 T4641 AR AR
SK SK

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::: M42

As you can see, Igor is very active this month. He copied an unique CW transmission of M42. Apart from ops chat and CW call-ups, I have never seen this before.

Message on link 00020 on 9450 kHz, 0402 UTC, 11 Feb.

111tt ttt2t 65913 11t96 t1tt9 =
jmw= jmwov qgsfh hipts kaith uwozg jfizb pweqg gaolc bmjjw
ntaaq xanla hjjvt fpacm nqsfy kgkgf eeipe npxth cktiz n=
ct== cktiz nlnaz hdjnn vzqga jdexp wzuxa adukt setln ienxw
tpbcp ieogo lntah ulaaw hufys qajak mdkho xsqhn jjkyx miupy
hvbju fjayf gfjuv dugnn lyblo kmdez yhxgf bwvme hbbsz wqde
mjxjs osfea yzlpe bxpep nlist jsxam dweal jffzh fbaqj aqjys
zjssj vpcsu dtftb zelet ljcuu mfbc1 dguue zwpil dyjyy mtwbp
ojktt fojup esgdp pqcma eoysc fyxtd qqabj ogbep esayc jtkat
yuxda bfflx smpnt hwoco saqx1 zpzzv pkehv lebzt i.... = lebn=

lebzt iefve aaypf boavv bvzne lknme osicm vdbtv blkpg mtmkk
tofzd tdqpi bflwg hbnxw ifgv yzmad =

cfm nil as m
sk

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::: M82

Only one log for M82: 4700 kHz, 1300 and 1430 UTC, 26 Feb. <Igor>

vvg jvg jvg jvg de bml bml qsa 5 qsa? 5t8 (R2)
qtc nr 5t8 24 9 t226 22tt 497 845 =
183t4 93t23 t9t53 58147 14811 91829 33424 36tt8 8612t
abv qtc nr 5t8 24 9 t226 22tt 497 845 =
183t4 93t23 t9t53 58147 14811 91829 33424 36tt8 8612t
sk sk

vvg jvg jvg jvg de bml bml qsa 3 qsa? qtc 587 (R2)
qtc nr 587 27 21 t226 233t 745 218 =
99527 96389 66774 68t28 16375 tt912 t63t9 69t32 33377 17t74 r
73267 48976 37269 36355 75722 853t6 76215 2585t 4t925 22941 r
41247
abv qtc nr 587 27 21 t226 233t 745 218 =
99527 96389 66774 68t28 16375 tt912 t63t9 69t32 33377 17t74 r
73267 48976 37269 36355 75722 853t6 76215 2585t 4t925 22941 r
41247
sk sk

Remarks: sent "r" as separator after 10 groups

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::: MX

Channel marker "V" in Khiva was heard on 3534 and 3658 kHz

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::: FRS

Jim copied the "FRS" station on 4440 kHz, at 2033 UTC, on 25 Feb, with
callsign FRS7329. Ends with +

I copied the same station on 6754 kHz on 28 April 2001 at 2115 UTC. The
station transmitted this string for 3 minutes:

FRS6566 FRS6566 FRS6566. Ends with FRS6566+

Clues anyone???

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::: UNIDS

A couple of unids submitted by Igor and John.

8100 kHz, 0310 kHz, 21 Feb.

vvvvv = klmb klmb klmb de de nblw nblw qsa ? kkk

qsa 2 qsa 2 qsa 22

qtc qtc nw nw nw nw nr 15 nr 15 gr 3t gr 3t

vvv = 24653 47683 57847 92867 25876 Tiiii 95543 96544 43157 65443 36767

45261 85543 29566 78434 56456 45123 76458 45261 45678 16789 76352 12548

56654 45512 25654 76545 65321 98595 34525 74954 qsl

nw nw nw nw nr 23 nr 23 gr 3t gr 3t

vvv = 54T18 34673 87972 45654 43678 13T65 87956 46247 36743 89456 17854

23156 41234 56789 43257 26178 84367 51T54 12782 1T367 25112 45188 T5681

25745 21862 45872 51356 418T2 46376 54915

qsl as as as

<<<<<>>>>>

12707 kHz, 0330 UTC, 14 Feb. Russian military station(s) G4PL, DSXK, ITWL, Q71T. Same time on 11 Feb. working with DSXK, ITWL, Q71T, CC6Q, E64X, TNM4, WIJF, 5QXT, EDWE

13997 kHz, 0457 UTC, 14 Feb. Russian military station Y1MH working with 8L8V, NSI8, Z07Q, E1I5, DLOF, T26T, KMJX

14684 kHz, 0500 UTC, 14 Feb. Russian military station TI6T working with 6HTT, KCMH

4395 kHz, 1541 UTC, 13 Feb. Unid D3QK.

Marker j7xd j7xd j7xd = d3qk d3qk d3qk ar

3613 kHz, 1430 UTC, VVV DE OMSR

7067 kHz, 0620 UTC, YM1G calling other stations

5520 kHz, 1024 UTC, 12 Feb. Chinese military station BDU0 //5241 kHz.

Marker v js4x js4x js4x de bdu0 bdu0

4439 kHz, 1925 UTC, 31 Jan. Chinese military (tentative) 2SLC.

Marker: V MW3D MW3D MW3D de 2SLC 2SLC

Chinese based L9CC was active on 3533, 3542, 3557, 7034, 7049, and 7061 kHz.

Sylvain found our Czech friends S8BD again:

2611 kHz, 0110 UTC, 4 Feb. 5FG messages ending with = S8BD K. At 0130 UTC "K5NR de S8BD QTC K" and messages with numbers and letters, at 0145 "C6CP DE S8BD QTC 147 K" and messages with 5 numbers, end of traffic at 0150 UTC.

-0-0-0-0-0-0-0-0-0-0-

* VARIOUS MODES *

Three new ENIGMA designators were issued this month; XT2 for the new pip and XWP for an Ocean Surface Radar; XSW for the Squeaky Wheel channel marker on 3828 kHz.

::: XT2

The mysterious second pip and 3-tone marker were on 7605.5 kHz for a couple of days and I completely lost them after 5 Feb. See also N&O #45.

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::: XWP

XWP is not really an oddity or mystery signal. You can hear similar wideband pulses on many frequencies. They are transmitted by Ocean Surface Radars. The location of XWP is yet unknown. Possibly France.

The radar follows a fixed sked. At the time of writing I heard it on the following times and frequencies. The station stays on a frequency for a full hour and transmits in 3 slots: h00-h19, h20-h39, h40-h59.

0700 UTC - 6818 kHz
0800 UTC - 6900 kHz
0900 UTC - 9390 kHz
1000 UTC - 9250 kHz
1100 UTC - 8158 kHz
1200 UTC - 8034 kHz
1300 UTC - 6900 kHz
1400 UTC - 6818 kHz
1500 UTC - 9390 kHz
1600 UTC - 9250 kHz
1700 UTC - 8158 kHz
1800 UTC - 8034 kHz

1900 UTC - 6818 kHz
 2000 UTC - 6900 kHz
 2100 UTC - 9250 kHz(!)
 2200 UTC - 9250 kHz
 2300 UTC - 8158 kHz
 0000 UTC - 8034 kHz

I have a sound file available on the N&O web site.

-0-0-0-0-0-0-0-0-0-0-

* LOGS SECTION *

2611	S8BD	Messages of 5 numbers, end of traffic at 0120 "= S8BD K" at 0:30 "K5NR de S8BD QTC K" and messages with numbers and letters, at 0145 "C6CP DE S8BD QTC 147 K" and messages with 5 numbers, end of traffic at 0150 CW 04-02-2002 Mon 0110 (SP1)
3195	MX	Russian mil Izhevsk. Channel marker "R" CW 03-02-2002 Sun 2225 (AB)
3215	M13	276 CW 23-02-2002 Sat 2200 (HFD)
3215	M13	276 CW 24-02-2002 Sun 2200 (HFD)
3230	E10	Israeli Intel. CI02 USB 02-02-2002 Sat 2250 (AB)
3292.0	V02a	In prog AM 05-02-2002 Tue 0207 (BM)
3292.0	V02a	A 25153 _____ AM 05-02-2002 Tue 0401 (BM)
3340	MX	Channel marker "L", St. Petersburg CW 06-02-2002 Wed 2012 (AB)
3415.0	E10	Faint, but readable. In progress USB 17-02-2002 Sun 0150 (JSI)
3840.0	E10	YHF, 5LG AM 01-02-2002 Fri 1740 (SMK)
3840.0	E10	In progress USB 23-02-2002 Sat 0341 (JSI)
4005	M10	555: 794-34/33= # 5696 767- ### /35= ##### CW 17-02-2002 Sun 2100 (HFD)
4017.0	V02a	In prog; faint USB 05-02-2002 Tue 0301 (BM)
4025	M45	525-486/35=50614 CW 14-02-2002 Thu 1802 (HFD)
4027.5	M08a	CW 06-02-2002 Wed 0400 (BM)
4028.0	V02a	A 65551 91463 52692 AM 08-02-2002 Fri 0500 (BM)
4035.0	V02a	A _____ 27676; note unusual ID ending in 6. AM 04-02-2002 Mon 0405 (BM)
4041	M13	378 CW 04-02-2002 Mon 2200 (HFD)
4041	M13	378 CW 16-02-2002 Sat 2200 (HFD)
4041	M13	378 CW 18-02-2002 Mon 2200 (HFD)
4042	M13	id 378 CW 02-02-2002 Sat 2200 (AB)
4165	E10	Israeli Intel. MIW2 AM 03-02-2002 Sun 2202 (AB)
4174.0	V02a	A 4561[6?] 80622 2767[?] - 6 at end of first ID if correct is unusual. AM 04-02-2002 Mon 0300 (BM)
4174.0	V02a	A 4561[6?] 80622 2767? ; first ID ending in 6 is unusual, if correct. AM 04-02-2002 Mon 0300 (BM)

4231 XSL USB 19-02-2002 Tue 1810 (TI)
 4291 XSL USB 19-02-2002 Tue 1811 (TI)
 4331 M22 Israeli navy Haifa. VVV 4XZ CW 03-02-2002 Sun 2235
 4360 E10 Israeli Intel. CIOA2M2C4 till 2115 UTC, then into CIO
 and 46 gr msg // 5339 kHz AM 03-02-2002 Sun 2110 (AB)
 4360 E10 CIO2 //5339 USB 08-02-2002 Fri 1846 (TI)
 4360.0 E10 CIO2. Strong in both AM and USB USB 17-02-2002 Sun
 0152 (JSI)
 4439 2SLC Possible Chinese mil. B MW3D MW3D MW3D de 2SLC 2SCL CW
 31-01-2002 Thu 1925 (IB)
 4461 E10 USB 26-01-2002 Sat 1746 (TI)
 4461 E10 FTJ2 USB 08-02-2002 Fri 1832 (TI)
 4461.0 E10 FTJ ... USB 14-02-2002 Thu 2205 (MC3)
 4463 E10 USB 08-02-2002 Fri 1902 (TI)
 4463.0 E10 Good Signal. USB 23-02-2002 Sat 0343 (JSI)
 4478.0 V02 In Progress. Sounded like someone tried to jam it for
 a bit. AM 13-02-2002 Wed 0310 (JSI)
 4479.0 V02a A _____ 52692 AM 08-02-2002 Fri 0404 (BM)
 4490 M01 197-061/24=35324 CW 19-02-2002 Tue 2000 (HFD)
 4560 E10 USB 26-01-2002 Sat 1746 (TI)
 4560 E10 YHF2 //5820 USB 08-02-2002 Fri 1902 (TI)
 4560 E10 YHF USB 09-02-2002 Sat 1731 (TI)
 4560 E10 YHF USB 10-02-2002 Sun 1731 (TI)
 4560.0 E10 YHF, c/s AM 01-02-2002 Fri 1931 (SMK)
 4625 S28 AM 26-01-2002 Sat 1551 (TI)
 4625 S28 AM 06-02-2002 Wed 1557 (TI)
 4625 S28 AM 08-02-2002 Fri 1856 (TI)
 4625 S28 AM 10-02-2002 Sun 1750 (TI)
 4625 S28 AM 11-02-2002 Mon 1558 (TI)
 4625 S28 AM 22-02-2002 Fri 1551 (TI)
 4686 M13 411 CW 16-02-2002 Sat 2130 (HFD)
 4686 M13 411 CW 17-02-2002 Sun 2130 (HFD)
 4687 M13 id 411 CW 03-02-2002 Sun 2130 (AB)
 4700 M82 BML. N.Korea VVG JVG JVG JVG DE BML BML QSA 5 QSA? qtc
 nr 5t8 24 9 t226 22tt 497 845 = CW 26-02-2002 Tue
 1400 (IB)
 4700 M82 BML. N.Korea. qtc nr 587 27 21 t226 233t 745 218 = CW
 26-02-2002 Tue 1430 (IB)
 4780 E10 KPA2 //6912 USB 08-02-2002 Fri 1917 (TI)
 4780 E10 KPA2 //6912 USB 13-02-2002 Wed 1817 (TI)
 4780 E10 KPA2 //6912 USB 18-02-2002 Mon 1517 (TI)
 4873 V LA5S LA5S LA5S DE NH8T NH8T CW 10-02-2002 Sun 1816
 (TI)
 4880 E10 ULX2 USB 01-02-2002 Fri 1702 (TI)
 4880 E10 Israeli Intel. ULX2 AM 03-02-2002 Sun 2100 (AB)
 4880 E10 USB 08-02-2002 Fri 1832 (TI)
 4880 E10 ULX2 USB 08-02-2002 Fri 1902 (TI)
 4880.0 E10 AM 02-02-2002 Sat 0400 (MDC)

4880.0 E10 Already in progress USB 12-02-2002 Tue 0413 (JSI)
 4880.0 E10 Good signal USB 17-02-2002 Sun 0207 (JSI)
 4880.0 E10 ULX Group 173. USB 21-02-2002 Thu 0206 (JSI)
 4881 E10 ULX USB 13-02-2002 Wed 1802 (TI)
 5088 E07 970 970 970 1 8615 52 5FGs ends with 000 000 AM
 06-02-2002 Wed 2140 (AB)
 5088 E07 970 970 970 1 384 41 5FGs ends with 000 000 AM
 11-02-2002 Mon 2140 (AB)
 5090 E07 790-8615/52=68335 AM 04-02-2002 Mon 2140 (HFD)
 5090.0 E07 972/1 384/41 AM 11-02-2002 Mon 2140 (ASC)
 5090.0 E07 972/1 384/41 AM 11-02-2002 Mon 2140 (ASC)
 5090.0 E07 972/1 127/79 AM 18-02-2002 Mon 2140 (ASC)
 5091 E10 Israeli Intel. JSR AM 03-02-2002 Sun 2100 (AB)
 5091 E10 JSR USB 10-02-2002 Sun 1801 (TI)
 5091 E10 USB 13-02-2002 Wed 1817 (TI)
 5091 E10 USB 18-02-2002 Mon 1602 (TI)
 5091.0 E10 Good Signal Also. USB 23-02-2002 Sat 0345 (JSI)
 5092.0 E10 in progress USB 18-02-2002 Mon 2136 (ASC)
 5134.0 M08a ID 84702 00193 92593 CW 24-02-2002 Sun 1200 (MS)
 5153.9 MX Cluster beacon "S", Arkhangelsk CW 03-02-2002 Sun 2226
 (AB)
 5154 MX F broken D CW 26-01-2002 Sat 1938 (TI)
 5170 E10 VLB2 //6930 USB 26-01-2002 Sat 1547 (TI)
 5170 E10 VLB2 //6930 USB 26-01-2002 Sat 1747 (TI)
 5170 E10 VLB2 //6930 USB 26-01-2002 Sat 1847 (TI)
 5170 E10 VLB2 //6930 USB 26-01-2002 Sat 1947 (TI)
 5170 E10 USB 01-02-2002 Fri 1647 (TI)
 5170 E10 VLB2 //6930 USB 05-02-2002 Tue 1502 (TI)
 5170 E10 VLB2 USB 06-02-2002 Wed 1547 (TI)
 5170 E10 VLB2 //6930 USB 22-02-2002 Fri 1547 (TI)
 5170.0 E10 VLB2. USB 23-02-2002 Sat 0346 (JSI)
 5230 E10 MIW2 USB 22-01-2002 Tue 1617 (TI)
 5230 E10 MIW2 USB 22-01-2002 Tue 1717 (TI)
 5230 E10 MIW2 USB 24-01-2002 Thu 1517 (TI)
 5230 E10 MIW2 USB 26-01-2002 Sat 1817 (TI)
 5230 E10 MIW2 USB 26-01-2002 Sat 1917 (TI)
 5247 M13 284 CW 01-02-2002 Fri 2100 (HFD)
 5247 M13 284 CW 15-02-2002 Fri 2100 (HFD)
 5247 M13 284 CW 16-02-2002 Sat 2100 (HFD)
 5300.0 M10 (in progress with 5F groups) BT BT 81 81 19 19 000 CW
 11-02-2002 Mon 2212 (MS)
 5300.0 M10 555x3 426x3 27 424x3 19 (R5) CW 12-02-2002 Tue 2200
 5300.0 M10 555x3 426x3 27 424x3 19 (R5) CW 12-02-2002 Tue 2200
 5300.0 M10 555x3 922x3 37 112x3 17 (R5) CW 19-02-2002 Tue 2200
 5339 E10 CI02 //7605 USB 23-01-2002 Wed 1447 (TI)
 5339 E10 CI02 USB 26-01-2002 Sat 1747 (TI)
 5339 E10 CI02 USB 26-01-2002 Sat 1847 (TI)
 5339 E10 CI02 USB 26-01-2002 Sat 1947 (TI)

5339 E10 CI02 USB 01-02-2002 Fri 1647 (TI)
5339 E10 Israeli Intel. CI0A2M2C4 till 2115 UTC, then into CIO
and 46 gr msg // 4360 kHz AM 03-02-2002 Sun 2110 (AB)
5339 E10 Israeli Intel. CIO repeated the 46 gr msg 3x but went
of the air in the middle of the 3rd repeat at 2155 UTC
AM 03-02-2002 Sun 2115 (AB)
5339 E10 CI02 USB 06-02-2002 Wed 1547 (TI)
5339 E10 CI02 //4360 USB 08-02-2002 Fri 1847 (TI)
5339 E10 CI02 //7605 USB 22-02-2002 Fri 1547 (TI)
5339.0 E10 CI02. USB 23-02-2002 Sat 0348 (JSI)
5360 G06 ip AM 04-02-2002 Mon 2010 (HFD)
5417.0 V02a A 17632 60093 08263 AM 14-02-2002 Thu 0200 (BM)
5434 MX Whales 25-02-2002 Mon 0906 (TS)
5435 E10 USB 22-01-2002 Tue 1647 (TI)
5435 E10 ART USB 26-01-2002 Sat 1602 (TI)
5435 E10 ART USB 26-01-2002 Sat 1632 (TI)
5435 E10 ART1 USB 26-01-2002 Sat 1732 (TI)
5435 E10 ART USB 26-01-2002 Sat 1932 (TI)
5435 E10 ART USB 26-01-2002 Sat 2002 (TI)
5435 E10 ART //6986 USB 27-01-2002 Sun 1502 (TI)
5435 E10 ART2 USB 27-01-2002 Sun 1532 (TI)
5435 E10 ART USB 30-01-2002 Wed 1602 (TI)
5435 E10 ART //6986 USB 04-02-2002 Mon 1502 (TI)
5435 E10 ART //6986 USB 05-02-2002 Tue 1502 (TI)
5435 E10 ART //6986 USB 06-02-2002 Wed 1502 (TI)
5435 E10 USB 06-02-2002 Wed 1547 (TI)
5435 E10 Israeli Intel. ART AM 07-02-2002 Thu 2030 (AB)
5435 E10 ART2 USB 08-02-2002 Fri 1903 (TI)
5435 E10 ART USB 08-02-2002 Fri 1932 (TI)
5435 E10 ART //6986 USB 09-02-2002 Sat 1502 (TI)
5435 E10 ART USB 09-02-2002 Sat 1602 (TI)
5435 E10 ART USB 09-02-2002 Sat 1632 (TI)
5435 E10 ART2 USB 09-02-2002 Sat 1732 (TI)
5435 E10 ART USB 10-02-2002 Sun 1632 (TI)
5435 E10 ART USB 10-02-2002 Sun 1802 (TI)
5435 E10 ART USB 11-02-2002 Mon 1602 (TI)
5435 E10 ART USB 13-02-2002 Wed 1803 (TI)
5435 E10 ART USB 18-02-2002 Mon 1502 (TI)
5435 E10 ART USB 18-02-2002 Mon 1532 (TI)
5435 E10 USB 18-02-2002 Mon 1604 (TI)
5435 E10 ART USB 21-02-2002 Thu 1632 (TI)
5435 E10 USB 22-02-2002 Fri 1517 (TI)
5435 E10 ART USB 22-02-2002 Fri 1532 (TI)
5435 E10 ART USB 22-02-2002 Fri 1602 (TI)
5435.0 E10 In progress USB 04-02-2002 Mon 0010 (JSI)
5435.0 E10 Alpha Romeo Tango 2 AM 13-02-2002 Wed 2305 (QZD)
5435.0 E10 very faint...ART USB 14-02-2002 Thu 0022 (MC3)
5435.0 E10 In progress. Out at 2344 UTC USB 15-02-2002 Fri 2342

5435.0 E10 Strong In both AM and USB USB 17-02-2002 Sun 0210
5435.0 E10 In Progress. Could hear in AM and USB USB 21-02-2002
Thu 0144 (JSI)
5436.0 E10 art, 2 msgs AM 18-02-2002 Mon 2130 (ASC)
5437 E10 ART USB 08-02-2002 Fri 1833 (TI)
5437 E10 ART USB 10-02-2002 Sun 1831 (TI)
5437.0 E10 Group 13. Strong signal. In progress. AM 17-02-2002
Sun 0438 (JSI)
5465 M01 197-214/34=96045 CW 17-02-2002 Sun 0700 (HFD)
5465 MX R CW 26-01-2002 Sat 1938 (TI)
5465 MX Russian mil Izhevsk. Channel marker "R" CW 03-02-2002
Sun 2225 (AB)
5535 E10 USB 23-01-2002 Wed 1447 (TI)
5715 V24 AM 18-02-2002 Mon 1605 (TI)
5734 M13 id 261 CW 04-02-2002 Mon 2000 (AB)
5735 M13 261 CW 18-02-2002 Mon 2000 (HFD)
5763.0 V02 "Spanish Lady" YL/SS - Distorted voice, faint CW in
background. AM 16-02-2002 Sat 0400 (LAZ)
5820 E10 YHF USB 22-01-2002 Tue 1632 (TI)
5820 E10 YHF2 USB 22-01-2002 Tue 1702 (TI)
5820 E10 YHF USB 24-01-2002 Thu 1532 (TI)
5820 E10 YHF USB 26-01-2002 Sat 1632 (TI)
5820 E10 USB 26-01-2002 Sat 1817 (TI)
5820 E10 YHF2 USB 01-02-2002 Fri 1703 (TI)
5820 E10 YHF USB 05-02-2002 Tue 1502 (TI)
5820 E10 YHF USB 06-02-2002 Wed 1532 (TI)
5820 E10 YHF2 //4560 USB 08-02-2002 Fri 1903 (TI)
5820 E10 YHF2 //7918 USB 08-02-2002 Fri 1932 (TI)
5820 E10 USB 09-02-2002 Sat 1532 (TI)
5820 E10 YHF //7918//10648 USB 10-02-2002 Sun 1802 (TI)
5820 E10 YHF USB 13-02-2002 Wed 1803 (TI)
5820 E10 YHF USB 18-02-2002 Mon 1503 (TI)
5820 E10 YHF USB 21-02-2002 Thu 1632 (TI)
5820 E10 USB 22-02-2002 Fri 1517 (TI)
5820.0 E10 A little interference on this one. USB 17-02-2002 Sun
0212 (JSI)
5820.0 E10 AM chatter over running her. USB 21-02-2002 Thu 0208
5837.0 M12 (in progress w/5f tfc) 000 000 CW 26-02-2002 Tue 2211
5875 XPH msg AM 12-02-2002 Tue 2150 (HFD)
5966 M13 272 CW 05-02-2002 Tue 2200 (HFD)
5966.0 M13 272 (R5) BT 2.. 21 BT CW 05-02-2002 Tue 2200 (MS)
5967.0 M13 272 (R5) BT 253 21 BT CW 19-02-2002 Tue 2200 (MS)
6270 E10 ULX USB 22-01-2002 Tue 1632 (TI)
6270 E10 ULX2 USB 22-01-2002 Tue 1702 (TI)
6270 E10 ULX USB 24-01-2002 Thu 1503 (TI)
6270 E10 ULX2 //7760 USB 24-01-2002 Thu 1533 (TI)
6270 E10 ULX2 //7760 USB 26-01-2002 Sat 1532 (TI)
6270 E10 ULX2 USB 26-01-2002 Sat 1602 (TI)

6270	E10	USB 26-01-2002 Sat 1647 (TI)
6270	E10	ULX USB 26-01-2002 Sat 1832 (TI)
6270	E10	ULX2 USB 26-01-2002 Sat 1932 (TI)
6270	E10	ULX2 USB 27-01-2002 Sun 1532 (TI)
6270	E10	ULX2 USB 29-01-2002 Tue 1532 (TI)
6270	E10	ULX USB 29-01-2002 Tue 1632 (TI)
6270	E10	USB 01-02-2002 Fri 1648 (TI)
6270	E10	ULX USB 05-02-2002 Tue 1503 (TI)
6270	E10	USB 08-02-2002 Fri 1847 (TI)
6270	E10	ULX USB 09-02-2002 Sat 1632 (TI)
6270	E10	ULX USB 10-02-2002 Sun 1632 (TI)
6270	E10	ULX2 USB 10-02-2002 Sun 1702 (TI)
6270	E10	ULX2 USB 11-02-2002 Mon 1603 (TI)
6270	E10	ULX USB 18-02-2002 Mon 1503 (TI)
6270	E10	ULX2 USB 18-02-2002 Mon 1532 (TI)
6270	E10	ULX USB 21-02-2002 Thu 1632 (TI)
6270	E10	ULX2 USB 22-02-2002 Fri 1532 (TI)
6270	E10	ULX1 USB 22-02-2002 Fri 1602 (TI)
6270.0	E10	faint; heavy QRN; ULX? USB 11-02-2002 Mon 0100 (BM)
6350	M13	254 CW 21-02-2002 Thu 2200 (HFD)
6352.0	M13	254 (R5) BT 21. 22 BT CW 06-02-2002 Wed 2200 (MS)
6353.0	M13	254 (R5) BT 219 22 BT CW 07-02-2002 Thu 2200 (MS)
6370	E10	SYN2 //7445 9270 USB 26-01-2002 Sat 1947 (TI)
6370.0	E10	?YN2 once then out. USB 21-02-2002 Thu 0146 (JSI)
6379	M22	Israeli navy Haifa. VVV 4XZ CW 03-02-2002 Sun 2235
6417	XSL	Slot Machine 03-02-2002 Sun 2034 (AB)
6417	XSL	USB 10-02-2002 Sun 1348 (TI)
6417	XSL	Slot machine 14-02-2002 Thu 2010 (AB)
6417	XSL	USB 19-02-2002 Tue 1811 (TI)
6445	XSL	Slot Machine 03-02-2002 Sun 2034 (AB)
6445	XSL	USB 10-02-2002 Sun 1351 (TI)
6445	XSL	Slot machine 14-02-2002 Thu 2010 (AB)
6445	XSL	USB 19-02-2002 Tue 1811 (TI)
6485	E03	id 97561 //8464 USB 26-01-2002 Sat 1902 (TI)
6485	E03	id 97561 //10426 USB 30-01-2002 Wed 1603 (TI)
6485	E03	id 96160 //10426 USB 06-02-2002 Wed 1606 (TI)
6485	E03	//8464 USB 08-02-2002 Fri 1833 (TI)
6498	E10	PCD USB 22-01-2002 Tue 1632 (TI)
6498	E10	PCD2 USB 22-01-2002 Tue 1702 (TI)
6498	E10	USB 23-01-2002 Wed 1448 (TI)
6498	E10	PCD //8805 USB 24-01-2002 Thu 1533 (TI)
6498	E10	PCD //8805 USB 26-01-2002 Sat 1532 (TI)
6498	E10	PCD2 USB 26-01-2002 Sat 1603 (TI)
6498	E10	PCD2 //8805 USB 26-01-2002 Sat 1702 (TI)
6498	E10	PCD2 //8805 USB 26-01-2002 Sat 1702 (TI)
6498	E10	PCD //8805 USB 26-01-2002 Sat 1733 (TI)
6498	E10	PCD //8805 USB 27-01-2002 Sun 1533 (TI)
6498	E10	PCD USB 29-01-2002 Tue 1532 (TI)

6498	E10	PCD USB 29-01-2002 Tue 1632 (TI)
6498	E10	PCD USB 30-01-2002 Wed 1532 (TI)
6498	E10	PCD USB 30-01-2002 Wed 1632 (TI)
6498	E10	USB 01-02-2002 Fri 1648 (TI)
6498	E10	PCD2 USB 01-02-2002 Fri 1703 (TI)
6498	E10	PCD USB 06-02-2002 Wed 1532 (TI)
6498	E10	PCD2 USB 06-02-2002 Wed 1602 (TI)
6498	E10	USB 08-02-2002 Fri 1904 (TI)
6498	E10	PCD USB 09-02-2002 Sat 1533 (TI)
6498	E10	PCD USB 09-02-2002 Sat 1633 (TI)
6498	E10	PCD2 USB 09-02-2002 Sat 1702 (TI)
6498	E10	PCD2 //8805 USB 09-02-2002 Sat 1732 (TI)
6498	E10	PCD2 USB 10-02-2002 Sun 1602 (TI)
6498	E10	USB 10-02-2002 Sun 1647 (TI)
6498	E10	PCD2 //8805 USB 10-02-2002 Sun 1702 (TI)
6498	E10	PCD //8805 USB 10-02-2002 Sun 1732 (TI)
6498	E10	PCD USB 10-02-2002 Sun 1803 (TI)
6498	E10	PCD USB 13-02-2002 Wed 1803 (TI)
6498	E10	PCD USB 18-02-2002 Mon 1533 (TI)
6498	E10	PCD USB 22-02-2002 Fri 1533 (TI)
6498	E10	PCD2 USB 22-02-2002 Fri 1603 (TI)
6529.0	V21	The Babbler; male voice USB 03-02-2002 Sun 2344 (BM)
6529.0	V21	Babbler; male voice USB 03-02-2002 Sun 2344 (BM)
6529.0	V21	OM switched to YL. Good clear signal. USB 05-02-2002 Tue 2335 (QZD)
6529.0	V21	Switched back to OM. Soundes like someone blowing a whistle in background. USB 06-02-2002 Wed 0040 (QZD)
6529.0	V21	Faint signal w/fading. OM at this time. USB 07-02-2002 Thu 0050 (QZD)
6529.0	V21	Nice signal but some QRM USB 09-02-2002 Sat 2250 (QZD)
6529.0	V21	"Babbler" Clear signal with some QRN. USB 17-02-2002 Sun 2320 (QZD)
6529.0	V21	Babbler babbling. USB 18-02-2002 Mon 0028 (JSI)
6529.0	V21	Babbler YL/SS USB 19-02-2002 Tue 0006 (BM)
6529.0	V21	Babbler singing along. USB 21-02-2002 Thu 2257 (JSI)
6529.0	V21	"Babbler" OM switched to YL @ 2345z USB 21-02-2002 Thu 2345 (QZD)
6529.0	V21	Sounds like Muslim prayers. Very weak even on longwire. USB 22-02-2002 Fri 2315 (NSC)
6529.0	V21	Babbler. Faint signal. USB 27-02-2002 Wed 2257 (JSI)
6730	E07	790-8615/52=68335 AM 04-02-2002 Mon 2120 (HFD)
6730.0	E07	972/1 384/41 AM 11-02-2002 Mon 2120 (ASC)
6730.0	E07	972/1 384/41 AM 11-02-2002 Mon 2120 (ASC)
6730.0	E07	972/1 127/79 AM 18-02-2002 Mon 2120 (ASC)
6730.0	E07	970 000 AM 25-02-2002 Mon 2120 (ASC)
6732	E07	970 970 970 1 8615 52 5FGs ends with 000 000 AM 06-02-2002 Wed 2120 (AB)
6732	E07	970 970 970 1 384 41 5FGs ends with 000 000 AM

11-02-2002 Mon 2120 (AB)
 6744 XPH Null msg AM 01-02-2002 Fri 2120 (AB)
 6744 XPH null AM 01-02-2002 Fri 2120 (TI)
 6745 XPH 0-msg AM 01-02-2002 Fri 2120 (HFD)
 6766 XPH null AM 19-02-2002 Tue 2120 (TI)
 6767.0 M08a ID ----- (in progress) CW 10-02-2002 Sun
 6767.0 M08a ----- (in progress) CW 23-02-2002 Sat 1204
 6767.0 M08a ID 84834 92084 63154 (note 4 as the fifth digit in all
 three msgs) CW 24-02-2002 Sun 1200 (MS)
 6768.0 V02a A 55633 61292 92022; audio from another V2a in
 background. AM 04-02-2002 Mon 0400 (BM)
 6770 XPH 0-msg AM 21-02-2002 Thu 2120 (HFD)
 6797.0 M08a ID ----- (in progress) CW 10-02-2002 Sun
 6797.0 M08a ID ----- 36704 ----- (in progress) CW 24-02-2002 Sun
 1214 (MS)
 6840 E10 EZI //9130 11565 USB 26-01-2002 Sat 1903 (TI)
 6840 E10 USB 08-02-2002 Fri 1904 (TI)
 6840.0 E10 faint; EZI? USB 11-02-2002 Mon 0115 (BM)
 6840.0 E10 Good and Clear. USB 21-02-2002 Thu 0147 (JSI)
 6840.0 E10 AM 26-02-2002 Tue 0100 (SV)
 6842.0 E10 In Progress. CW heard as well. USB 17-02-2002 Sun
 0214 (JSI)
 6842.0 E10 In Progress. USB 21-02-2002 Thu 0210 (JSI)
 6845.0 M12 783x3 000 (R2) CW 10-02-2002 Sun 2220 (MS)
 6845.0 M12 783x3 1 (R2) 9256 77 9256 77 CW 17-02-2002 Sun 2220
 6845.0 M12 783x3 000 (R2) CW 24-02-2002 Sun 2220 (MS)
 6855.0 V02a In prog AM 04-02-2002 Mon 0300 (BM)
 6855.0 V02a In AM 04-02-2002 Mon 0302 (BM)
 6912 E10 KPA2 USB 22-01-2002 Tue 1618 (TI)
 6912 E10 KPA2 USB 22-01-2002 Tue 1718 (TI)
 6912 E10 KPA2 USB 24-01-2002 Thu 1518 (TI)
 6912 E10 KPA2 USB 26-01-2002 Sat 1517 (TI)
 6912 E10 KPA2 USB 26-01-2002 Sat 1619 (TI)
 6912 E10 KPA2 USB 26-01-2002 Sat 1818 (TI)
 6912 E10 KPA2 USB 26-01-2002 Sat 1918 (TI)
 6912 E10 KPA2 USB 29-01-2002 Tue 1619 (TI)
 6912 E10 KPA2 USB 30-01-2002 Wed 1517 (TI)
 6912 E10 KPA2 USB 30-01-2002 Wed 1617 (TI)
 6912 E10 KPA2 USB 05-02-2002 Tue 1517 (TI)
 6912 E10 KPA2 USB 06-02-2002 Wed 1517 (TI)
 6912 E10 KPA2 USB 06-02-2002 Wed 1617 (TI)
 6912 E10 KPA2 //4780 USB 08-02-2002 Fri 1918 (TI)
 6912 E10 KPA2 USB 09-02-2002 Sat 1617 (TI)
 6912 E10 USB 09-02-2002 Sat 1717 (TI)
 6912 E10 KPA2 USB 10-02-2002 Sun 1717 (TI)
 6912 E10 KPA2 USB 10-02-2002 Sun 1819 (TI)
 6912 E10 KPA2 USB 11-02-2002 Mon 1517 (TI)
 6912 E10 KPA2 //4780 USB 13-02-2002 Wed 1818 (TI)

6912 E10 KPA2 //4780 USB 18-02-2002 Mon 1518 (TI)
6912 E10 KPA2 //8465 USB 22-02-2002 Fri 1518 (TI)
6912 E10 Israeli Intel. KPA2 AM 23-02-2002 Sat 0319 (EJC)
6915.0 E10 kpa2 AM 18-02-2002 Mon 2115 (ASC)
6915.0 E10 kpa2 AM 25-02-2002 Mon 2115 (ASC)
6924 XPH msg AM 22-01-2002 Tue 2100 (TI)
6924 XPH null AM 29-01-2002 Tue 2102 (TI)
6930 E10 VLB2 USB 22-01-2002 Tue 1650 (TI)
6930 E10 VLB2 USB 23-01-2002 Wed 1451 (TI)
6930 E10 VLB2 //5170 USB 26-01-2002 Sat 1547 (TI)
6930 E10 VLB2 USB 26-01-2002 Sat 1650 (TI)
6930 E10 VLB2 //5170 USB 26-01-2002 Sat 1750 (TI)
6930 E10 VLB2 //5170 USB 26-01-2002 Sat 1851 (TI)
6930 E10 VLB2 //5170 USB 26-01-2002 Sat 1951 (TI)
6930 E10 VLB2 USB 27-01-2002 Sun 1550 (TI)
6930 E10 VLB2 USB 30-01-2002 Wed 1550 (TI)
6930 E10 Israeli Intel. VLB2 AM 02-02-2002 Sat 2250 (AB)
6930 E10 VLB2 //5170 USB 05-02-2002 Tue 1506 (TI)
6930 E10 VLB2 USB 09-02-2002 Sat 1750 (TI)
6930 E10 VLB2 USB 10-02-2002 Sun 1650 (TI)
6930 E10 VLB2 USB 10-02-2002 Sun 1750 (TI)
6930 E10 VLB2 //5170 USB 22-02-2002 Fri 1549 (TI)
6932.0 M08a ID 84833 92083 63153 CW 23-02-2002 Sat 1300 (MS)
6933.0 M08a ----- (in progress) CW 23-02-2002 Sat 1205
6935 E07 ip AM 15-02-2002 Fri 0615 (HFD)
6959 E03 LP. id 99918 USB 03-02-2002 Sun 2100 (AB)
6959 E03 LP. id 06789 USB 11-02-2002 Mon 1700 (AB)
6959 E03 LP. id 39821 USB 11-02-2002 Mon 2000 (AB)
6959.0 E03 could not copy complete number sets**did hear the
music well though USB 14-02-2002 Thu 2158 (MC3)
6959.0 E03 43505 USB 18-02-2002 Mon 2200 (ASC)
6960.0 E05 523? heavy qrm from e03 on 6959 USB 18-02-2002 Mon
2200 (ASC)
6982.0 M08a ID 55793 02971 04302 CW 10-02-2002 Sun 1300 (MS)
6982.0 M08a ID ----- 74393 CW 17-02-2002 Sun 1319 (MS)
6982.0 M08a ID 84834 92084 63154 (note 4 as the fifth digit in all
three msgs) CW 24-02-2002 Sun 1300 (MS)
6985 IZJT V IQDW IQDW IQDW DE IZJT IZJT CW 03-02-2002 Sun 2215
(AB)
6986 E10 USB 23-01-2002 Wed 1448 (TI)
6986 E10 ART USB 24-01-2002 Thu 1503 (TI)
6986 E10 ART //5435 USB 27-01-2002 Sun 1503 (TI)
6986 E10 ART USB 30-01-2002 Wed 1502 (TI)
6986 E10 ART //5435 USB 04-02-2002 Mon 1502 (TI)
6986 E10 ART //5435 USB 05-02-2002 Tue 1503 (TI)
6986 E10 ART //5435 USB 06-02-2002 Wed 1503 (TI)
6986 E10 ART //5435 USB 09-02-2002 Sat 1503 (TI)
6986 E10 ART USB 11-02-2002 Mon 1503 (TI)

6986	E10	USB 18-02-2002 Mon 1504 (TI)
6986	E10	ART USB 22-02-2002 Fri 1503 (TI)
6993.0	M13	501 (R5) BT 213 22 BT (very strong signal) CW 25-02-2002 Mon 2215 (MS)
7038.9	MX	Cluster beacon "S", Arkhangelsk CW 03-02-2002 Sun 2226 (AB)
7322	E10	FTJ USB 26-01-2002 Sat 1933 (TI)
7337	E03	LP. id 95415 USB 11-02-2002 Mon 1800 (AB)
7337	E03	LP. id 50392 USB 11-02-2002 Mon 1900 (AB)
7337.0	E03	In progress. USB 27-02-2002 Wed 0211 (JSI)
7377	M03	624/00 CW 09-02-2002 Sat 0800 (HFD)
7380.0	M10	555x3 629x3 26 823x3 25 (R5) CW 26-02-2002 Tue 2200
7445	E10	SYN2 //9270 10970 USB 26-01-2002 Sat 1648 (TI)
7445	E10	SYN2 //6370 9270 USB 26-01-2002 Sat 1948 (TI)
7445	E10	SYN2 //9270 10970 USB 01-02-2002 Fri 1648 (TI)
7445	E10	Israeli Intel. SYN2 AM 02-02-2002 Sat 2251 (AB)
7445	E10	SYN2 //10970 USB 06-02-2002 Wed 1548 (TI)
7445	E10	SYN2 //9270 USB 09-02-2002 Sat 1747 (TI)
7445	E10	SYN2 //9270//10970 USB 10-02-2002 Sun 1648 (TI)
7445	E10	SYN2 USB 10-02-2002 Sun 1747 (TI)
7445.0	E10	SYN2 being repeated USB 21-02-2002 Thu 0149 (JSI)
7519.0	M08a	ID 31493 64203 07932 CW 01-02-2002 Fri 2200 (MS)
7519.0	M08a	CW 04-02-2002 Mon 2200 (MS)
7519.0	M08a	ID ----- (in progress) CW 04-02-2002 Mon
7519.0	M08a	ID 35023 55702 68292 CW 06-02-2002 Wed 2200 (MS)
7519.0	M08a	ID 98861 50112 42711 CW 08-02-2002 Fri 2200 (MS)
7526.0	M08a	ID 10982 35022 54691 CW 05-02-2002 Tue 2200 (MS)
7529	X06	FAPSI selcal AM 06-02-2002 Wed 1950 (AB)
7530	XPH	0-msg AM 21-02-2002 Thu 2100 (HFD)
7534	M13	261 CW 03-02-2002 Sun 2100 (HFD)
7534.0	M13	261 (R5) //too weak for further copy// CW 03-02-2002 Sun 2100 (MS)
7534.0	M13	261 (R5) //too weak for further copy// CW 03-02-2002 Sun 2100 (MS)
7535	M13	id 261 CW 03-02-2002 Sun 2100 (AB)
7535	M13	261 CW 17-02-2002 Sun 2000 (HFD)
7535	M13	261 CW 17-02-2002 Sun 2100 (HFD)
7541.0	E10	in progress (with heavy qrm) AM 18-02-2002 Mon 2055
7567	M13	id 517 CW 04-02-2002 Mon 2000 (AB)
7567	M13	517 CW 05-02-2002 Tue 2000 (HFD)
7567	M13	517 CW 05-02-2002 Tue 2100 (HFD)
7567	M13	id 517 CW 05-02-2002 Tue 2100 (AB)
7567	M13	517 CW 18-02-2002 Mon 2000 (HFD)
7567	M13	517 CW 19-02-2002 Tue 2000 (HFD)
7567	M13	517 CW 19-02-2002 Tue 2100 (HFD)
7584.0	XPH	Null-Msg AM 01-02-2002 Fri 2130 (SE)
7585	XPH	0-msg AM 01-02-2002 Fri 2130 (HFD)
7585	XPH	msg AM 19-02-2002 Tue 2130 (TI)

7605	E10	CI02 USB 22-01-2002 Tue 1648 (TI)
7605	E10	CI02 //5339 USB 23-01-2002 Wed 1449 (TI)
7605	E10	CI02 USB 26-01-2002 Sat 1548 (TI)
7605	E10	CI02 USB 27-01-2002 Sun 1548 (TI)
7605	E10	Israeli Intel. CI02 AM 05-02-2002 Tue 0525 (DT)
7605	E10	Israeli Intel. CI02 AM 06-02-2002 Wed 0535 (AB)
7605	E10	CI02 USB 06-02-2002 Wed 1549 (TI)
7605	E10	CI02 USB 09-02-2002 Sat 1548 (TI)
7605	E10	CI02 //5339 USB 22-02-2002 Fri 1549 (TI)
7605.5	XT2	Pip + 3-tone channel marker AM 04-03-2002 Mon 1803
7630.0	M23	555 (R10) Note: this is the freq M23 mistakenly broadcast on last Friday, 01/25/ CW 01-02-2002 Fri
7630.0	M23	555 (R10) CW 03-02-2002 Sun 2200 (MS)
7630.0	M23	555 (R10) CW 03-02-2002 Sun 2200 (MS)
7630.0	M23	555 (R10) CW 11-02-2002 Mon 2200 (MS)
7630.0	M23	555 (R10) //freq on 8290m CW 16-02-2002 Sat 2130 (MS)
7630.0	M23	555 (R10) //freq on 8290m CW 17-02-2002 Sun 2130 (MS)
7630.0	M23	555 (R10) CW 23-02-2002 Sat 2130 (MS)
7630.0	M23	555 (R10) // freq on 8290m CW 24-02-2002 Sun 2130 (MS)
7630.0	M23	555 (R10) // freq on 8290m CW 25-02-2002 Mon 2130 (MS)
7668.0	M16	Fair reception CW 05-02-2002 Tue 0230 (MNH)
7668.0	M16	VVVx3 8BYx3 788/673/960 //freq on 10248m CW 17-02-2002 Sun 2240 (MS)
7682.0	M08a	ID ----- (in progress) CW 17-02-2002 Sun
7688	M16	8BY. DGSE CW 31-01-2002 Thu 1957 (RGA)
7745.0	M12	783x3 000 CW 03-02-2002 Sun 2200 (MS)
7745.0	M12	783x3 000 CW 03-02-2002 Sun 2200 (MS)
7745.0	M12	783x3 000 (R2) CW 10-02-2002 Sun 2200 (MS)
7745.0	M12	783x3 1 (R2) 9256 77 9256 77 CW 17-02-2002 Sun 2200
7745.0	M12	783x3 000 (R2) CW 24-02-2002 Sun 2200 (MS)
7760	E10	ULX2 //6270 USB 24-01-2002 Thu 1534 (TI)
7760	E10	ULX USB 26-01-2002 Sat 1503 (TI)
7760	E10	ULX2 //6270 USB 26-01-2002 Sat 1533 (TI)
7760	E10	ULX USB 27-01-2002 Sun 1504 (TI)
7760	E10	ULX USB 04-02-2002 Mon 1503 (TI)
7760	E10	USB 06-02-2002 Wed 1504 (TI)
7760	E10	ULX2 USB 06-02-2002 Wed 1533 (TI)
7760	E10	USB 18-02-2002 Mon 1504 (TI)
7760	E10	ULX USB 22-02-2002 Fri 1503 (TI)
7770.0	M23	555 (R10) CW 02-02-2002 Sat 0300 (MS)
7770.0	M23	555 (R10) CW 04-02-2002 Mon 2200 (MS)
7770.0	M23	555 (R10) CW 04-02-2002 Mon 2200 (MS)
7770.0	M23	555 (R10) CW 05-02-2002 Tue 2200 (MS)
7770.0	M23	555 (R10) CW 06-02-2002 Wed 2200 (MS)
7770.0	M23	555 (R10) CW 08-02-2002 Fri 2200 (MS)
7770.0	M23	555 (R10) CW 09-02-2002 Sat 2200 (MS)
7770.0	M23	555 (R10) CW 10-02-2002 Sun 2200 (MS)
7770.0	M23	555 (R10) CW 12-02-2002 Tue 2200 (MS)

7770.0 M23 555 (R10) CW 12-02-2002 Tue 2200 (MS)
7770.0 M23 555 (R10) CW 13-02-2002 Wed 2200 (MS)
7770.0 M23 555 (R10) CW 16-02-2002 Sat 2200 (MS)
7770.0 M23 555 (R10) CW 17-02-2002 Sun 0300 (MS)
7770.0 M23 555 (R10) CW 17-02-2002 Sun 2200 (MS)
7770.0 M23 555 (R10) CW 19-02-2002 Tue 2200 (MS)
7770.0 M23 555 (R10) CW 23-02-2002 Sat 2200 (MS)
7770.0 M23 555 (R10) CW 24-02-2002 Sun 2200 (MS)
7770.0 M23 555 (R10) // freq on 8160m CW 25-02-2002 Mon 2200 (MS)
7770.0 M23 555 (R10) // freq on 8160m CW 26-02-2002 Tue 2200 (MS)
7795 M23 444 + 5FGs CW 20-02-2002 Wed 1830 (IB)
7819 X06 FAPSI. Selcal AM 06-02-2002 Wed 2020 (AB)
7887 E02 LP. id 91274 USB 11-02-2002 Mon 2100 (AB)
7910.0 V02A Analog radio, frequency might be off a little. Two
transmissions sounded like wi AM 24-02-2002 Sun 0230
7918 E07 970 970 970 1 8615 52 5FGs ends with 000 000 AM
06-02-2002 Wed 2100 (AB)
7918 E07 970 970 970 1 384 41 5FGs ends with 000 000 AM
11-02-2002 Mon 2100 (AB)
7918 E10 YHF //10648 USB 22-01-2002 Tue 1603 (TI)
7918 E10 YHF USB 24-01-2002 Thu 1504 (TI)
7918 E10 YHF //10648 USB 26-01-2002 Sat 1603 (TI)
7918 E10 YHF //10648 USB 26-01-2002 Sat 1803 (TI)
7918 E10 YHF2 USB 26-01-2002 Sat 1934 (TI)
7918 E10 YHF USB 27-01-2002 Sun 1504 (TI)
7918 E10 YHF //10648 USB 29-01-2002 Tue 1603 (TI)
7918 E10 YHF //10648 USB 30-01-2002 Wed 1603 (TI)
7918 E10 YHF USB 04-02-2002 Mon 1503 (TI)
7918 E10 USB 06-02-2002 Wed 1505 (TI)
7918 E10 YHF USB 06-02-2002 Wed 1603 (TI)
7918 E10 YHF2 //5820 USB 08-02-2002 Fri 1933 (TI)
7918 E10 //10648 USB 09-02-2002 Sat 1605 (TI)
7918 E10 YHF //10648 USB 10-02-2002 Sun 1618 (TI)
7918 E10 YHF //5820//10648 USB 10-02-2002 Sun 1804 (TI)
7918 E10 YHF USB 11-02-2002 Mon 1503 (TI)
7918 E10 //10648 USB 11-02-2002 Mon 1604 (TI)
7918 E10 USB 13-02-2002 Wed 1819 (TI)
7918 E10 USB 18-02-2002 Mon 1504 (TI)
7918 E10 USB 18-02-2002 Mon 1606 (TI)
7918 E10 YHF USB 19-02-2002 Tue 1801 (TI)
7918 E10 YHF USB 22-02-2002 Fri 1503 (TI)
7918 E10 //10648 USB 22-02-2002 Fri 1604 (TI)
7918.0 E07 972/1 384/41 AM 11-02-2002 Mon 2100 (ASC)
7918.0 E07 972/1 384/41 AM 11-02-2002 Mon 2100 (ASC)
7918.0 E07 972/1 127/79 AM 18-02-2002 Mon 2100 (ASC)
7918.0 E07 970 000 AM 25-02-2002 Mon 2100 (ASC)
7918.0 E10 Already In Progress. Message 2 at 0218 UTC USB
13-02-2002 Wed 0218 (JSI)

7918.0 E10 Good signal. Just a little noise but not bad. USB
17-02-2002 Sun 0218 (JSI)
7918.0 E10 In progress USB 19-02-2002 Tue 0255 (JSI)
7918.0 E10 In Progress. USB 21-02-2002 Thu 0214 (JSI)
7920 E07 790-8615/52=68335 AM 04-02-2002 Mon 2100 (HFD)
7926 M13 714 CW 15-02-2002 Fri 2100 (HFD)
7926 M13 714 CW 28-02-2002 Thu 2100 (HFD)
7960.0 M23 310 (R10) CW 26-02-2002 Tue 0200 (MS)
7967 XPH null AM 01-02-2002 Fri 2100 (TI)
7967 XPH 0-msg AM 01-02-2002 Fri 2100 (HFD)
7967 XPH Null msg AM 01-02-2002 Fri 2100 (AB)
8009.0 M08 (QRM completely obliterating transmission - no copy)
CW 25-02-2002 Mon 2300 (MS)
8009.0 M08a ID 35023 55702 68292 CW 06-02-2002 Wed 2300 (MS)
8009.0 M08a (In progress) ----- CW 07-02-2002 Thu 2208
8025 E10 MIW2 USB 27-01-2002 Sun 1518 (TI)
8025 E10 MIW2 USB 30-01-2002 Wed 1518 (TI)
8025 E10 MIW2 USB 05-02-2002 Tue 1518 (TI)
8025 E10 MIW2 USB 06-02-2002 Wed 1518 (TI)
8025 E10 MIW2 USB 18-02-2002 Mon 1519 (TI)
8085.0 V02A In progress SSSL Automated Voice AM 21-02-2002 Thu
0510 (DP4)
8085.0 V02A AM 21-02-2002 Thu 0600 (DP4)
8096.0 M08a in progress CW 04-02-2002 Mon 0505 (BM)
8097.0 V02 ID=?? periodic interference but strong and clear AM
28-02-2002 Thu 0610 (BS2)
8097.0 V02a In prog AM 07-02-2002 Thu 0522 (BM)
8097.0 V02a In prog AM 07-02-2002 Thu 0608 (BM)
8103.0 M22 4XZ CW 11-02-2002 Mon 0033 (BM)
8112.0 M13 458 (R6) BT 209 21 BT CW 11-02-2002 Mon 2300 (MS)
8112.0 M13 458 (R6) BT 209 21 BT (very strong signal) CW
25-02-2002 Mon 2300 (MS)
8127 E10 VLB2 USB 04-02-2002 Mon 1504 (TI)
8135.0 M08 ID 69262 1751. 90711 CW 26-02-2002 Tue 2300 (MS)
8135.0 M08a ID 31493 64203 07932 CW 01-02-2002 Fri 2300 (MS)
8135.0 M08a ID 10982 35022 54691 CW 05-02-2002 Tue 2300 (MS)
8135.0 M08a ID 55141 04853 42712 CW 14-02-2002 Thu 2300 (MS)
8137.0 M08 (in progress) CW 27-02-2002 Wed 0732 (MS)
8160.0 M23 555 (R10) // freq on 7770m CW 25-02-2002 Mon 2200 (MS)
8160.0 M23 310 (R10) CW 26-02-2002 Tue 0130 (MS)
8160.0 M23 555 (R10) // freq on 7770m CW 26-02-2002 Tue 2200 (MS)
8160.0 M23 310 (R10) CW 27-02-2002 Wed 0130 (MS)
8179.0 M12 5f tfc then 000 000 CW 12-02-2002 Tue 2206 (MS)
8179.0 M12 CW 12-02-2002 Tue 2206 (MS)
8186 S11a 976/76 USB 04-02-2002 Mon 0800 (AB)
8290.0 M23 555 (R10) //freq on 7630m CW 16-02-2002 Sat 2130 (MS)
8290.0 M23 555 (R10) //freq on 7630m CW 17-02-2002 Sun 2130 (MS)
8290.0 M23 555 (R10) // freq on 7630m CW 24-02-2002 Sun 2130 (MS)

8290.0 M23 555 (R10) // freq on 7630m CW 25-02-2002 Mon 2130 (MS)
8300 V13 AM 31-01-2002 Thu 1339 (TI)
8300.0 V13 New Star Broadcasting USB 03-02-2002 Sun 1430 (BM)
8300.0 V13 New Star Broadcasting USB 03-02-2002 Sun 1430 (BM)
8300.0 V13 New Star Broadcasting AM 07-02-2002 Thu 1400 (BM)
8300.0 V13 New Star Broadcasting AM 08-02-2002 Fri 1400 (BM)
8300.0 V13 In prog AM 09-02-2002 Sat 1515 (BM)
8300.0 V13 New Star Broadcasting USB 28-02-2002 Thu 1430 (BM)
8307.0 M23 579 (R10) //freq on 9285m CW 04-02-2002 Mon 0800 (MS)
8307.0 M23 579 (R10) //freq on 9285m CW 04-02-2002 Mon 0800 (MS)
8307.0 M23 579 (R10) // freq on 9285m CW 06-02-2002 Wed 0800 (MS)
8307.0 M23 579 (R10) //freq on 9285m CW 17-02-2002 Sun 0800 (MS)
8307.0 M23 579 (R10) // freq on 9285m CW 26-02-2002 Tue 0800 (MS)
8307.0 M23 579 (R10) // freq on 9285m CW 27-02-2002 Wed 0800 (MS)
8464 E03 id 97561 //6485 USB 26-01-2002 Sat 1905 (TI)
8464 E03 id 96160 //10426 USB 05-02-2002 Tue 1520 (TI)
8464 E03 //6485 USB 08-02-2002 Fri 1835 (TI)
8464 E03 id 06789 USB 10-02-2002 Sun 1605 (TI)
8464 E03 LP. id 06789 USB 11-02-2002 Mon 1700 (AB)
8465 E10 KPA2 //6912 USB 22-02-2002 Fri 1519 (TI)
8494.9 MX Cluster beacon "S", Arkhangelsk CW 03-02-2002 Sun 2226
(AB)
8588 XSL USB 26-01-2002 Sat 1954 (TI)
8588 XSL Slot Machine 03-02-2002 Sun 1717 (AB)
8588 XSL Slot machine 14-02-2002 Thu 2010 (AB)
8588 XSL USB 19-02-2002 Tue 1805 (TI)
8703.5 XSL USB 30-01-2002 Wed 1539 (TI)
8703.5 XSL Slot Machine 03-02-2002 Sun 1717 (AB)
8703.5 XSL Slot machine 14-02-2002 Thu 2010 (AB)
8703.5 XSL USB 19-02-2002 Tue 1807 (TI)
8805 E10 PCD //6498 USB 24-01-2002 Thu 1534 (TI)
8805 E10 PCD //6498 USB 26-01-2002 Sat 1534 (TI)
8805 E10 PCD2 //6498 USB 26-01-2002 Sat 1703 (TI)
8805 E10 PCD //6498 USB 26-01-2002 Sat 1734 (TI)
8805 E10 PCD //6498 USB 27-01-2002 Sun 1533 (TI)
8805 E10 USB 06-02-2002 Wed 1534 (TI)
8805 E10 PCD2 //6498 USB 09-02-2002 Sat 1733 (TI)
8805 E10 PCD2 //6498 USB 10-02-2002 Sun 1703 (TI)
8805 E10 PCD //6498 USB 10-02-2002 Sun 1734 (TI)
8805 E10 USB 18-02-2002 Mon 1534 (TI)
8805 E10 USB 22-02-2002 Fri 1550 (TI)
8992.0 V02 A ___/___ 978/08 AM 05-02-2002 Tue 0405 (BM)
9024.0 V02 616 05, 05, 02 Radio Havana Cuba in background. Go
Arnie! AM 06-02-2002 Wed 0200 (NSC)
9052 XPH 0-msg AM 01-02-2002 Fri 2110 (HFD)
9052 XPH msg AM 08-02-2002 Fri 2110 (TI)
9052 XPH msg AM 12-02-2002 Tue 2110 (HFD)
9063 V02a in progress AM 01-02-2002 Fri 0718 (Vambo)

9063.0 V02a in progress YL/SS weak with intermittent qrm from
 rtty on same freq. AM 01-02-2002 Fri 0007 (DP4)
 9095 M12 058/000 CW 15-02-2002 Fri 2120 (HFD)
 9130 E10 EZI USB 26-01-2002 Sat 1734 (TI)
 9130 E10 EZI USB 26-01-2002 Sat 1833 (TI)
 9130 E10 EZI //6840 11565 USB 26-01-2002 Sat 1903 (TI)
 9130 E10 EZI //11565 13533 USB 26-01-2002 Sat 2003 (TI)
 9130 E10 USB 08-02-2002 Fri 1835 (TI)
 9130 E10 USB 08-02-2002 Fri 1905 (TI)
 9130 E10 EZI USB 09-02-2002 Sat 1733 (TI)
 9130 E10 EZI //13533//11565 USB 10-02-2002 Sun 1833 (TI)
 9165 S17C 10031 AM 02-02-2002 Sat 1250 (HFD)
 9165 S17C 62032 AM 10-02-2002 Sun 1250 (HFD)
 9165 S17C 86024 AM 11-02-2002 Mon 1250 (HFD)
 9165 S17C 90034 AM 14-02-2002 Thu 1250 (HFD)
 9165 S17C 99033 AM 16-02-2002 Sat 1250 (HFD)
 9165 S17C 94033 AM 17-02-2002 Sun 1250 (HFD)
 9165 S17C 99034 AM 23-02-2002 Sat 1250 (HFD)
 9165.0 S17c USB 03-02-2002 Sun 1250 (ASC)
 9202 E10 YHF //10648 USB 26-01-2002 Sat 1833 (TI)
 9202 E10 USB 08-02-2002 Fri 1836 (TI)
 9202 E10 YHF //10648 USB 10-02-2002 Sun 1833 (TI)
 9202.0 E10 Faint but readable. USB 17-02-2002 Sun 0220 (JSI)
 9202.0 E10 In Progress. A little weak. USB 21-02-2002 Thu 0216
 9251 E02 LP. id 91274 USB 11-02-2002 Mon 2100 (AB)
 9251 E03 LP. id 95415 USB 11-02-2002 Mon 1800 (AB)
 9251 E03 LP. id 50392 USB 11-02-2002 Mon 1900 (AB)
 9251 E03 LP. id 39821 USB 11-02-2002 Mon 2000 (AB)
 9251.0 E03 USB 12-02-2002 Tue 2100 (KM)
 9270 E10 SYN2 //10970 USB 22-01-2002 Tue 1648 (TI)
 9270 E10 SYN2//10970 13555 USB 23-01-2002 Wed 1449 (TI)
 9270 E10 SYN2 //10970 USB 26-01-2002 Sat 1549 (TI)
 9270 E10 SYN2 //7445 10970 USB 26-01-2002 Sat 1648 (TI)
 9270 E10 SYN2 USB 26-01-2002 Sat 1748 (TI)
 9270 E10 SYN2 USB 26-01-2002 Sat 1849 (TI)
 9270 E10 SYN2 //6370 7445 USB 26-01-2002 Sat 1949 (TI)
 9270 E10 SYN2 //7445 10970 USB 01-02-2002 Fri 1649 (TI)
 9270 E10 SYN2 //10970 USB 08-02-2002 Fri 1849 (TI)
 9270 E10 SYN2 USB 09-02-2002 Sat 1548 (TI)
 9270 E10 SYN2 //10970 USB 09-02-2002 Sat 1648 (TI)
 9270 E10 SYN2 //7445 USB 09-02-2002 Sat 1748 (TI)
 9270 E10 SYN2 //7445//10970 USB 10-02-2002 Sun 1648 (TI)
 9270.0 E10 syn2 AM 18-02-2002 Mon 2045 (ASC)
 9285.0 M23 579 (R10) //freq on 8307m CW 04-02-2002 Mon 0800 (MS)
 9285.0 M23 579 (R10) //freq on 8307m CW 04-02-2002 Mon 0800 (MS)
 9285.0 M23 579 (R10) // freq on 8307m CW 06-02-2002 Wed 0800 (MS)
 9285.0 M23 579 (R10) //freq on 8307m CW 17-02-2002 Sun 0800 (MS)
 9285.0 M23 579 (R10) // freq on 8307m CW 26-02-2002 Tue 0800 (MS)

9285.0 M23 579 (R10) // freq on 8307m CW 27-02-2002 Wed 0800 (MS)
 9323 M08a in progress CW 16-02-2002 Sat 1030 (GH2)
 9328.0 M08a CW 06-02-2002 Wed 0400 (BM)
 9330.0 M08a in progress CW 04-02-2002 Mon 0406 (BM)
 9331 M08a in progress CW 12-02-2002 Tue 0404 (RC)
 9725 V13 AM 31-01-2002 Thu 1339 (TI)
 9725.0 V13 New Star Broadcasting USB 28-02-2002 Thu 1430 (BM)
 9951.5 M21 Russian Air Defense =990149??8???? CW 10-02-2002 Sun
 2255 (RGA)
 10046 M22 4XZ CW 27-01-2002 Sun 1523 (TI)
 10046 M22 4XZ CW 31-01-2002 Thu 1519 (TI)
 10046 M22 4XZ CW 01-02-2002 Fri 1327 (TI)
 10046 M22 4XZ CW 07-02-2002 Thu 1414 (TI)
 10046.0 M22 4XZ CW 11-02-2002 Mon 0033 (BM)
 10126.0 V02a ----- (In Progress) YL/SS AM 02-02-2002
 Sat 0339 (MS)
 10126.0 V02a In prog AM 05-02-2002 Tue 0307 (BM)
 10126.0 V02a in prog AM 25-02-2002 Mon 0306 (BM)
 10236.0 M08a ID ----- (in progress) CW 17-02-2002 Sun
 10248 M16 8BY. DGSE CW 22-02-2002 Fri 1858 (RGA)
 10248.0 M16 VVVx3 8BYx3 788/673/960 //freq on 7668m CW 17-02-2002
 Sun 2240 (MS)
 10250 M23 310 CW 08-02-2002 Fri 1702 (RGA)
 10250.0 M23 310 (R10) // freq on 11020m CW 26-02-2002 Tue 0100
 10250.0 M23 310 (R10) // freq on 11020m CW 27-02-2002 Wed 0100
 10380 M40 CQ995,767 CW 20-02-2002 Wed 1630 (IB)
 10426 E03 id 78098 //11545 USB 26-01-2002 Sat 2007 (TI)
 10426 E03 USB 29-01-2002 Tue 1536 (TI)
 10426 E03 id 97561 //6485 USB 30-01-2002 Wed 1609 (TI)
 10426 E03 id 96160 //8464 USB 05-02-2002 Tue 1508 (TI)
 10426 E03 id 96160 //6485 USB 06-02-2002 Wed 1606 (TI)
 10426 E03 LP. id 96160 USB 11-02-2002 Mon 1400 (AB)
 10446.0 V02a in prog; audio from another V2a in background. AM
 04-02-2002 Mon 0305 (BM)
 10446.0 V02a in prog; m8a in background; note 0300/mondays also has
 a 10446kHz sked. AM 04-02-2002 Mon 0505 (BM)
 10446.0 V02a In prog; M8a audio in bg; A ----- 02301 ----- AM
 11-02-2002 Mon 0504 (BM)
 10476.7 M42 FAPSI. Msg on link 40034 RTTY 22-02-2002 Fri 1901
 10642 S10E AM 11-02-2002 Mon 1300 (HFD)
 10648 E10 YHF //7918 USB 22-01-2002 Tue 1604 (TI)
 10648 E10 YHF //7918 USB 26-01-2002 Sat 1604 (TI)
 10648 E10 YHF //7918 USB 26-01-2002 Sat 1803 (TI)
 10648 E10 YHF //9202 USB 26-01-2002 Sat 1834 (TI)
 10648 E10 YHF //7918 USB 29-01-2002 Tue 1603 (TI)
 10648 E10 YHF //7918 USB 30-01-2002 Wed 1604 (TI)
 10648 E10 USB 06-02-2002 Wed 1604 (TI)
 10648 E10 USB 08-02-2002 Fri 1836 (TI)

10648	E10	//7918 USB 09-02-2002 Sat 1604 (TI)
10648	E10	YHF //7918 USB 10-02-2002 Sun 1603 (TI)
10648	E10	YHF//5820//7918 USB 10-02-2002 Sun 1805 (TI)
10648	E10	YHF //9202 USB 10-02-2002 Sun 1834 (TI)
10648	E10	//7918 USB 11-02-2002 Mon 1604 (TI)
10648	E10	USB 13-02-2002 Wed 1805 (TI)
10648	E10	USB 18-02-2002 Mon 1606 (TI)
10648	E10	//7918 USB 22-02-2002 Fri 1604 (TI)
10672.0	V02	In prog; A ___/___ 426/01 AM 11-02-2002 Mon 0604 (BM)
10820	S06	USB 26-01-2002 Sat 1704 (TI)
10871.9	MX	Cluster beacon "S", Arkhangelsk CW 03-02-2002 Sun 2226 (AB)
10970	E10	SYN2 //9270 USB 22-01-2002 Tue 1649 (TI)
10970	E10	SYN2 //9270 13555 USB 23-01-2002 Wed 1449 (TI)
10970	E10	SYN2 //9270 USB 26-01-2002 Sat 1549 (TI)
10970	E10	SYN2 //7445 9270 USB 26-01-2002 Sat 1649 (TI)
10970	E10	SYN2 USB 26-01-2002 Sat 1849 (TI)
10970	E10	SYN2 USB 27-01-2002 Sun 1549 (TI)
10970	E10	SYN2 USB 29-01-2002 Tue 1549 (TI)
10970	E10	SYN2 USB 30-01-2002 Wed 1548 (TI)
10970	E10	SYN2 //7445 9270 USB 01-02-2002 Fri 1649 (TI)
10970	E10	SYN2 //7445 USB 06-02-2002 Wed 1549 (TI)
10970	E10	SYN2 //9270 USB 08-02-2002 Fri 1849 (TI)
10970	E10	SYN2 //9270 USB 09-02-2002 Sat 1649 (TI)
10970	E10	SYN2 //7445//9270 USB 10-02-2002 Sun 1649 (TI)
10970	E10	SYN2 USB 10-02-2002 Sun 1748 (TI)
10970	E10	SYN2 USB 22-02-2002 Fri 1550 (TI)
11020.0	M23	310 (R10) // freq on 10250m CW 26-02-2002 Tue 0100
11020.0	M23	310 (R10) // freq on 10250m CW 27-02-2002 Wed 0100
11430	V13	AM 31-01-2002 Thu 1340 (TI)
11545	E02	LP. id 91274 USB 11-02-2002 Mon 2100 (AB)
11545	E03	//13375 USB 26-01-2002 Sat 1512 (TI)
11545	E03	//13375 USB 26-01-2002 Sat 1612 (TI)
11545	E03	id 04152 USB 26-01-2002 Sat 1806 (TI)
11545	E03	id 78098 //10426 USB 26-01-2002 Sat 2006 (TI)
11545	E03	id 56646 //13375 USB 27-01-2002 Sun 1509 (TI)
11545	E03	USB 30-01-2002 Wed 1508 (TI)
11545	E03	id 47992 //13375 USB 04-02-2002 Mon 1506 (TI)
11545	E03	id 99918 USB 06-02-2002 Wed 1508 (TI)
11545	E03	id 47992 USB 08-02-2002 Fri 1907 (TI)
11545	E03	id 95415 //13375 USB 09-02-2002 Sat 1509 (TI)
11545	E03	id 47992 //13375 USB 11-02-2002 Mon 1505 (TI)
11545	E03	LP. id 07024 USB 11-02-2002 Mon 1600 (AB)
11545	E03	id 07024 //13375 USB 11-02-2002 Mon 1605 (TI)
11545	E03	LP. id 06789 USB 11-02-2002 Mon 1700 (AB)
11545	E03	LP. id 39821 USB 11-02-2002 Mon 2000 (AB)
11545	E03	id 19573 //13375 USB 18-02-2002 Mon 1609 (TI)
11545	E03	LP in progress USB 22-02-2002 Fri 1914 (RGA)

11545.0 E03 very weak USB 23-02-2002 Sat 2100 (MDC)
11565 E10 EZI2 USB 22-01-2002 Tue 1604 (TI)
11565 E10 EZI //13533 USB 22-01-2002 Tue 1634 (TI)
11565 E10 EZI //13533 USB 22-01-2002 Tue 1704 (TI)
11565 E10 USB 23-01-2002 Wed 1450 (TI)
11565 E10 EZI2 USB 26-01-2002 Sat 1604 (TI)
11565 E10 EZI //13533 USB 26-01-2002 Sat 1634 (TI)
11565 E10 //13533 USB 26-01-2002 Sat 1705 (TI)
11565 E10 EZI USB 26-01-2002 Sat 1804 (TI)
11565 E10 EZI USB 26-01-2002 Sat 1834 (TI)
11565 E10 EZI //6840 9130 USB 26-01-2002 Sat 1904 (TI)
11565 E10 EZI //13533 USB 26-01-2002 Sat 1935 (TI)
11565 E10 EZI //9130 13533 USB 26-01-2002 Sat 2004 (TI)
11565 E10 EZI2 //13533 USB 29-01-2002 Tue 1603 (TI)
11565 E10 EZI USB 29-01-2002 Tue 1634 (TI)
11565 E10 EZI2 USB 30-01-2002 Wed 1604 (TI)
11565 E10 EZI USB 30-01-2002 Wed 1633 (TI)
11565 E10 USB 01-02-2002 Fri 1649 (TI)
11565 E10 USB 01-02-2002 Fri 1719 (TI)
11565 E10 USB 08-02-2002 Fri 1836 (TI)
11565 E10 USB 08-02-2002 Fri 1905 (TI)
11565 E10 USB 08-02-2002 Fri 1934 (TI)
11565 E10 //13533 USB 09-02-2002 Sat 1634 (TI)
11565 E10 EZI //13533 USB 09-02-2002 Sat 1703 (TI)
11565 E10 EZI2 USB 10-02-2002 Sun 1603 (TI)
11565 E10 //13533 USB 10-02-2002 Sun 1634 (TI)
11565 E10 EZI //13533 USB 10-02-2002 Sun 1704 (TI)
11565 E10 //13533 USB 10-02-2002 Sun 1806 (TI)
11565 E10 EZI //9130//13533 USB 10-02-2002 Sun 1836 (TI)
11565 E10 USB 13-02-2002 Wed 1805 (TI)
11565 E10 EZI //13533 USB 19-02-2002 Tue 1801 (TI)
11565 E10 EZI //13533 USB 19-02-2002 Tue 1831 (TI)
11565 E10 EZI USB 21-02-2002 Thu 1634 (TI)
11565 E10 Israeli Intel in progress AM 23-02-2002 Sat 0314 (EJC)
11565.0 E10 EZI2 USB 03-02-2002 Sun 0500 (BM)
11565.0 E10 EZI2 USB 03-02-2002 Sun 0500 (BM)
11565.0 E10 EZI2; faint USB 05-02-2002 Tue 0501 (BM)
11565.0 E10 EZI USB 11-02-2002 Mon 0200 (BM)
11565.0 E10 In progress. Weak. USB 21-02-2002 Thu 0217 (JSI)
11566.0 V02 "Spanish Lady" YL/SS - Missed callup. USB 16-02-2002
Sat 0400 (LAZ)
11566.0 V02 ??121 33133 553?3 Atencion, then repeat. USB
23-02-2002 Sat 0400 (JSI)
11566.0 V02a A _____ 78611 AM 05-02-2002 Tue 0407 (BM)
11566.0 V02a A 46571 _____ AM 08-02-2002 Fri 0301 (BM)
11566.0 V02a ??121 33133 553?3 Atencion, then repeat.
Correction of other post, V2a not V USB 23-02-2002 Sat
12165.0 V02a A 58353 46171 26731 AM 11-02-2002 Mon 0200 (BM)

12215.0 V02a In prog AM 05-02-2002 Tue 0211 (BM)
12215.0 V02a In prog AM 08-02-2002 Fri 0204 (BM)
12215.0 V02a A _____ 39512 _____; other V2a and M8a audio audible
in bg AM 14-02-2002 Thu 0200 (BM)
12215.0 V02a In progress AM 22-02-2002 Fri 0210 (JSI)
12603 E03 LP. id 96160 USB 11-02-2002 Mon 1400 (AB)
12603 E03 LP. id 07024 USB 11-02-2002 Mon 1600 (AB)
12603 E03 LP. id 95415 USB 11-02-2002 Mon 1800 (AB)
12603 E03 LP. id 50392 USB 11-02-2002 Mon 1900 (AB)
12603.0 E03 In prog USB 09-02-2002 Sat 1515 (BM)
12707 G4PL Russian Mil. Radio check with DSXK, ITWL, Q71T, CC6Q,
E64X, TNM4, WIJF, 5QXT, EDWE CW 11-02-2002 Mon 0330
(JC5)
12707 NASP Russian mil. Radio checks with OPEQ, GPI9, GBJG, DET7.
Later Cyrillic tfc CW 26-02-2002 Tue 0332 (JC5)
12707 X1K2 Russian mil. Cyrillic tfc. Wkg 8FNS and others CW
03-02-2002 Sun 0616 (JC5)
12984 M22 4XZ. Israeli Navy Haifa. VVV de 4XZ CW 23-02-2002 Sat
1920 (SP1)
13375 E03 //11545 USB 26-01-2002 Sat 1514 (TI)
13375 E03 //11545 USB 26-01-2002 Sat 1615 (TI)
13375 E03 id 56646 //11545 USB 27-01-2002 Sun 1510 (TI)
13375 E03 id 47992 //11545 USB 04-02-2002 Mon 1507 (TI)
13375 E03 id 95415 //11545 USB 09-02-2002 Sat 1507 (TI)
13375 E03 id 47992 //11545 USB 11-02-2002 Mon 1507 (TI)
13375 E03 LP. id 07024 USB 11-02-2002 Mon 1600 (AB)
13375 E03 id 07024 //11545 USB 11-02-2002 Mon 1608 (TI)
13375 E03 id 19573 //11545 USB 18-02-2002 Mon 1609 (TI)
13390 E06 910-367/125=41507 AM 02-02-2002 Sat 1330 (HFD)
13390.0 E06 AM 02-02-2002 Sat 1330 (SE)
13390.0 E06 USB 03-02-2002 Sun 1330 (CS)
13533 E10 EZI //11565 USB 22-01-2002 Tue 1634 (TI)
13533 E10 EZI //11565 USB 22-01-2002 Tue 1704 (TI)
13533 E10 EZI2 USB 24-01-2002 Thu 1505 (TI)
13533 E10 EZI2 USB 26-01-2002 Sat 1504 (TI)
13533 E10 EZI //11565 USB 26-01-2002 Sat 1634 (TI)
13533 E10 //11565 USB 26-01-2002 Sat 1705 (TI)
13533 E10 EZI //11565 USB 26-01-2002 Sat 1949 (TI)
13533 E10 EZI //9130 11565 USB 26-01-2002 Sat 2004 (TI)
13533 E10 EZI2 //11565 USB 29-01-2002 Tue 1604 (TI)
13533 E10 EZI2 USB 30-01-2002 Wed 1504 (TI)
13533 E10 EZI2 USB 31-01-2002 Thu 1503 (TI)
13533 E10 USB 01-02-2002 Fri 1650 (TI)
13533 E10 USB 01-02-2002 Fri 1719 (TI)
13533 E10 //11565 USB 09-02-2002 Sat 1650 (TI)
13533 E10 EZI //11565 USB 09-02-2002 Sat 1704 (TI)
13533 E10 //11565 USB 10-02-2002 Sun 1634 (TI)
13533 E10 EZI //11565 USB 10-02-2002 Sun 1704 (TI)

13533	E10	USB 10-02-2002 Sun 1735 (TI)
13533	E10	//11565 USB 10-02-2002 Sun 1804 (TI)
13533	E10	EZI //9130//11565 USB 10-02-2002 Sun 1834 (TI)
13533	E10	EZI //11565 USB 19-02-2002 Tue 1801 (TI)
13533	E10	EZI //11565 USB 19-02-2002 Tue 1832 (TI)
13533	E10	USB 21-02-2002 Thu 1634 (TI)
13555	E10	SYN2 //9270 10970 USB 23-01-2002 Wed 1450 (TI)
13750	V13	AM 31-01-2002 Thu 1340 (TI)
13750.0	V13	New Star Broadcasting USB 03-02-2002 Sun 1430 (BM)
13750.0	V13	New Star Broadcasting USB 03-02-2002 Sun 1430 (BM)
13750.0	V13	New Star Broadcasting AM 28-02-2002 Thu 1430 (BM)
14487	E03	//16084 USB 31-01-2002 Thu 1332 (TI)
14487	E03	id 99689 //16084 USB 31-01-2002 Thu 1406 (TI)
14487	E03	LP. id 95415 USB 11-02-2002 Mon 1200 (AB)
14487	E03	LP. id 96160 USB 11-02-2002 Mon 1400 (AB)
14640.0	M08a	ID ----- 48463 22303 (Note: this is the highest freq I have ever heard M8a on) CW 17-02-2002 Sun 1307 (MS)
14640.0	M08a	ID 50463 36704 08464 (note 4 as the fifth digit in last two msgs) CW 24-02-2002 Sun 1300 (MS)
14684	7J4I	Russian mil. Radio check with TX4X and tfc to TPSL CW 26-02-2002 Tue 0500 (JC5)
14684	HYZR	Russian mil wkg P67S CW 03-02-2002 Sun 0506 (JC5)
14690	M42	FAPSI. Msg on link 00018 RTTY 31-01-2002 Thu 1557 (DW)
14739	E05	//16198 USB 27-01-2002 Sun 1512 (TI)
14739	E05	//16198 USB 29-01-2002 Tue 1536 (TI)
14750	M23	310 (R10) CW 17-02-2002 Sun 1500 (MS)
14750.0	M23	310 (R10) CW 16-02-2002 Sat 1500 (MS)
14750.0	M23	310 (R10) CW 23-02-2002 Sat 1500 (MS)
14750.0	M23	310 (R10) CW 24-02-2002 Sun 1500 (MS)
14840.0	E06	AM 14-02-2002 Thu 1443 (ANMN)
14931	M16	8BY. DGSE CW 08-02-2002 Fri 1146 (RGA)
14931	M16	8BY. DGSE CW 11-02-2002 Mon 1242 (RGA)
14931	M16	8BY. DGSE. CW 20-02-2002 Wed 1043 (RGA)
15272	XPH	msg AM 22-02-2002 Fri 0700 (TI)
15682	E03	LP. id 95415 USB 11-02-2002 Mon 1200 (AB)
15820	E06	910-367/125=41507 AM 02-02-2002 Sat 1230 (HFD)
15820.0	E06	910 367 125 AM 03-02-2002 Sun 1230 (ASC)
16084	E03	//14487 USB 31-01-2002 Thu 1329 (TI)
16084	E03	id 99689 //14487 USB 31-01-2002 Thu 1405 (TI)
16084	E03	id 32879 USB 31-01-2002 Thu 1501 (TI)
16084	E03	LP. id 95415 USB 11-02-2002 Mon 1200 (AB)
16117	X06	FAPSI selcal AM 19-02-2002 Tue 1421 (RGA)
16198	E05	USB 26-01-2002 Sat 1613 (TI)
16198	E05	//14739 USB 27-01-2002 Sun 1512 (TI)
16198	E05	//14739 USB 29-01-2002 Tue 1536 (TI)
16198	E05	USB 30-01-2002 Wed 1610 (TI)
16198	E05	915 USB 06-02-2002 Wed 1607 (TI)
16285	M42	FAPSI. RSZ RSZ QWK RSZ RSZ QWK RY's RTTY 26-02-2002

Tue 1027 (DW)

16472	XPH	msg AM 19-02-2002 Tue 0720 (TI)
16472	XPH	msg AM 22-02-2002 Fri 0720 (TI)
16940.0	M23	310 (R10) //freq on 17460m CW 17-02-2002 Sun 1430 (MS)
16940.0	M23	310 (R10) // freq on 17460m CW 23-02-2002 Sat 1430
16940.0	M23	310 (R10) // freq on 17460m CW 24-02-2002 Sun 1430
17410	E10	EZI2 USB 27-01-2002 Sun 1534 (TI)
17410	E10	EZI2 USB 29-01-2002 Tue 1534 (TI)
17460.0	M23	310 (R10) //freq on 16940m CW 17-02-2002 Sun 1430 (MS)
17460.0	M23	310 (R10) // freq on 16940m CW 23-02-2002 Sat 1430
17460.0	M23	310 (R10) // freq on 16940m CW 24-02-2002 Sun 1430
17472	XPH	msg AM 19-02-2002 Tue 0740 (TI)
17472	XPH	msg AM 22-02-2002 Fri 0740 (TI)
18060	M42	FAPSI. Msgs on link 30088 RTTY 27-02-2002 Wed 1411
18415	M16	8BY. DGSE CW 17-02-2002 Sun 1752 (RGA)
18759	M12	in progress CW 19-02-2002 Tue 1548 (IB)
18864	E04	id 28136 //23461 USB 28-01-2002 Mon 1102 (TI)
18864	E04	id 60619 //23461 USB 28-01-2002 Mon 1203 (TI)
18864	E04	ud 54818 //23461 USB 05-02-2002 Tue 1100 (TI)
18864	E04	Cherry Ripe. id 47202 USB 11-02-2002 Mon 1100 (AB)
18864	E04	Cherry Ripe. id 54818 USB 11-02-2002 Mon 1200 (AB)
18864	E04	Cherry Ripe. in progress USB 11-02-2002 Mon 1310 (AB)
18864	E04	id 51431 //23461 USB 20-02-2002 Wed 1103 (TI)
19884	E04	id 42485 //21866 USB 28-01-2002 Mon 0102 (TI)
20474	E04	id 70673 //23461 USB 28-01-2002 Mon 1002 (TI)
20474	E04	Cherry Ripe. id 41798 USB 11-02-2002 Mon 1000 (AB)
20944	M16	8BY. DGSE. VVV 8BY 433/219/017/395 CW 23-02-2002 Sat 1553 (RGA)
21866	E04	id 42485 //19884 USB 28-01-2002 Mon 0102 (TI)
21866	E04	Cherry Ripe. in progress USB 11-02-2002 Mon 1310 (AB)
23461	E04	id 70673 //20474 USB 28-01-2002 Mon 1002 (TI)
23461	E04	id 28136 //18864 USB 28-01-2002 Mon 1102 (TI)
23461	E04	id 60619 //18864 USB 28-01-2002 Mon 1203 (TI)
23461	E04	id 54818 //18864 USB 05-02-2002 Tue 1100 (TI)
23461	E04	Cherry Ripe. id 41798 USB 11-02-2002 Mon 1000 (AB)
23461	E04	Cherry Ripe. id 47202 USB 11-02-2002 Mon 1100 (AB)
23461	E04	Cherry Ripe. id 54818 USB 11-02-2002 Mon 1200 (AB)
23461	E04	USB 20-02-2002 Wed 1001 (TI)
23461	E04	id 51431 //18864 USB 20-02-2002 Wed 1103 (TI)

::: Contributors to the logs section

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CG	Costas, Greece
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